

NORTH DAKOTA Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2016, North Dakota

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum							Hydro-electric Power ^{f,g} Million Kilowatt-hours	Biomass		Geo-thermal ^g	Solar ^{g,j}	Retail Electricity Sales	Net Energy ^{g,k}	Electrical System Energy Losses ^l	Total ^{g,k}
			Distillate Fuel Oil	HGL ^b	Jet Fuel ^c	Motor Gasoline ^d	Residual Fuel Oil	Other ^e	Total		Wood and Waste ^{g,h}	Losses and Co-products ⁱ			Million Kilowatt-hours			
Thousand Barrels																		
1960	1,086	26	3,769	1,212	2,103	7,719	672	3,089	18,563	0	--	--	--	--	1,153	--	--	--
1970	666	32	4,968	1,719	2,074	8,766	702	2,879	21,109	0	--	--	--	--	2,815	--	--	--
1980	728	23	8,071	1,302	1,702	9,167	716	2,057	23,015	0	--	--	--	--	5,177	--	--	--
1990	6,535	32	7,162	1,426	1,178	8,151	326	2,168	20,411	0	--	--	--	--	7,014	--	--	--
2000	6,853	57	7,709	3,354	413	8,512	78	2,375	22,443	0	--	--	--	--	9,413	--	--	--
2001	6,729	61	8,805	5,426	751	8,478	69	2,839	26,368	0	--	--	--	--	9,810	--	--	--
2002	6,737	67	8,137	3,406	528	8,554	98	2,540	23,263	0	--	--	--	--	10,219	--	--	--
2003	6,797	61	8,452	2,775	558	8,675	143	2,173	22,776	0	--	--	--	--	10,461	--	--	--
2004	6,164	60	9,331	3,311	1,093	8,603	63	2,491	24,893	0	--	--	--	--	10,516	--	--	--
2005	6,727	53	9,728	3,370	646	8,716	256	2,909	25,625	0	--	--	--	--	10,840	--	--	--
2006	6,775	53	9,887	2,766	735	8,455	105	3,406	25,355	0	--	--	--	--	11,245	--	--	--
2007	6,702	59	11,838	3,023	710	8,648	94	2,098	26,411	0	--	--	--	--	11,906	--	--	--
2008	6,482	63	11,804	2,847	613	8,703	92	1,923	25,983	0	--	--	--	--	12,416	--	--	--
2009	6,590	55	9,587	2,950	687	8,915	61	2,302	24,503	0	--	--	--	--	12,649	--	--	--
2010	6,748	66	12,900	2,549	815	9,244	40	R 2,501	R 28,049	0	--	--	--	--	12,956	--	--	--
2011	6,536	72	18,112	2,524	1,020	9,753	59	R 3,115	R 34,583	0	--	--	--	--	13,737	--	--	--
2012	6,628	73	20,777	2,373	991	10,319	22	R 2,856	R 37,339	0	--	--	--	--	14,717	--	--	--
2013	6,221	81	23,114	3,337	1,156	10,731	2	R 3,491	R 41,832	0	--	--	--	--	16,033	--	--	--
2014	6,527	85	25,500	3,104	985	11,194	2	R 3,430	R 44,215	0	--	--	--	--	18,240	--	--	--
2015	6,691	R 91	18,569	2,789	1,113	R 11,177	1	R 3,065	R 36,714	0	--	--	--	--	18,129	--	--	--
2016	6,563	91	14,637	2,666	986	10,564	0	2,772	31,626	0	--	--	--	--	18,520	--	--	--

Trillion Btu

1960	16.5	27.2	22.0	4.7	11.3	40.5	4.2	18.9	101.6	0.0	0.5	NA	NA	NA	3.9	149.8	9.7	159.5
1970	9.4	33.4	28.9	6.6	11.2	46.0	4.4	18.0	115.2	0.0	0.4	NA	NA	NA	9.6	167.9	23.2	191.1
1980	9.6	24.0	47.0	4.9	9.2	48.2	4.5	12.8	126.5	0.0	2.4	NA	NA	NA	17.7	180.0	42.4	222.4
1990	88.2	33.5	41.7	5.3	6.4	42.8	2.1	13.5	111.8	0.0	1.9	1.0	0.1	(s)	23.9	255.3	57.2	312.5
2000	97.5	58.5	44.9	12.5	2.3	44.4	0.5	15.0	119.5	0.0	2.5	1.2	0.2	(s)	32.1	306.6	74.3	380.9
2001	95.6	62.6	51.2	19.9	4.3	44.2	0.4	17.8	137.9	0.0	3.5	1.3	0.3	(s)	33.5	329.4	77.3	406.7
2002	94.5	66.9	47.4	12.7	3.0	44.6	0.6	15.9	124.1	0.0	2.6	1.8	0.3	(s)	34.9	319.9	80.3	400.2
2003	97.6	61.5	49.2	10.4	3.2	45.1	0.9	13.4	122.2	0.0	2.7	2.1	0.4	(s)	35.7	316.8	82.8	399.6
2004	89.1	61.2	54.3	12.3	6.2	44.7	0.4	15.7	133.6	0.0	3.3	1.9	0.4	(s)	35.9	320.6	82.6	403.2
2005	97.0	55.0	56.6	12.6	3.7	45.3	1.6	18.4	138.1	0.0	2.9	1.8	0.5	(s)	37.0	327.0	81.3	408.3
2006	97.2	55.7	57.4	10.3	4.2	43.9	0.7	21.6	138.0	0.0	2.4	1.8	0.5	(s)	38.4	328.3	86.3	414.6
2007	96.2	62.2	68.5	11.2	4.0	44.6	0.6	13.0	141.9	0.0	2.0	7.7	0.6	(s)	40.6	345.9	91.6	437.5
2008	93.5	65.7	68.2	10.7	3.5	44.6	0.6	11.9	139.5	0.0	1.9	8.6	0.7	(s)	42.4	347.0	97.0	444.0
2009	95.5	57.6	55.4	11.0	3.9	45.5	0.4	14.5	130.6	0.0	2.0	14.3	0.8	(s)	43.2	338.4	96.9	435.3
2010	97.4	70.0	74.5	9.8	4.6	46.9	0.3	R 15.7	R 151.8	0.0	R 2.1	19.9	0.9	(s)	44.2	R 380.5	96.1	R 476.6
2011	94.3	77.8	104.6	9.7	5.8	49.4	0.4	R 19.7	R 189.5	0.0	2.8	21.0	1.0	(s)	46.9	R 427.8	101.7	R 529.5
2012	95.3	77.5	119.9	9.1	5.6	52.2	0.1	R 17.9	R 204.9	0.0	R 2.4	19.5	1.0	(s)	50.2	R 445.3	108.2	R 553.5
2013	89.6	86.8	133.3	12.8	6.6	54.3	(s)	R 22.2	R 229.2	0.0	R 2.8	19.6	1.0	(s)	54.7	R 478.9	115.9	R 594.8
2014	94.6	92.3	147.1	11.9	5.6	56.6	(s)	R 21.7	R 243.0	0.0	R 2.9	20.0	1.0	(s)	62.2	R 510.8	133.8	R 644.6
2015	96.9	R 99.1	107.1	10.7	6.3	R 56.6	(s)	R 19.2	R 199.8	0.0	R 2.7	23.0	1.0	(s)	61.9	R 479.6	132.5	R 612.1
2016	95.0	99.2	84.4	10.2	5.6	53.4	0.0	17.2	170.9	0.0	2.6	24.7	1.0	(s)	63.2	452.3	134.2	586.4

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

^d Beginning in 1993, includes fuel ethanol blended into motor gasoline.

^e Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

^f Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

^g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^h Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

ⁱ Losses and co-products from the production of fuel ethanol.

^j Solar thermal and photovoltaic energy. Includes a small amount of wind energy consumed by commercial and industrial utility-scale facilities.

^k Beginning in 2009, includes wind energy consumed by the commercial and industrial sectors. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

^l Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.